



251 North Avenue West, 2nd Floor
Westfield, New Jersey 07090
Tel.: (908) 518-7700
Fax: (908) 518-7795

Mayer & Williams PC
Attorneys At Law

Fax

To: Office of Patent Publication

From: Marjorie Scariati

Fax: 571-273-2885

Pages: 6

Phone:

Date: 06/09/06

Re: 10/770,045

CC:

☐ Urgent ☒ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

PRIVACY AND CONFIDENTIALITY NOTICE

The information contained in this communication is confidential and may be legally privileged. It is intended solely for the use of the individual or entity to whom it is addressed and others authorized to receive it. If you are not the intended recipient, you are hereby notified that any disclosure, copying, distribution or taking of any action in reliance on the contents of this information is strictly prohibited.

If you received this communication in error, please immediately notify us by a collect telephone call to the writer and return the original message and documents to us at the above address via the United States postal service.

PLEASE SEE ATTACHED PART-B ISSUE FEE TRANSMITTAL, COMMENTS ON EXAMINER'S STATEMENT OF REASONS FOR ALLOWANCE, and CREDIT CARD FORM PTO-2038



Serial No.: 10/770,045

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Richard A. Blanchard
Application No.: 10/770,045
Filed: February 2, 2004
Title: Power Semiconductor Device Having A Voltage Sustaining Region That Includes Terraced Trench With Continuous Doped Columns Formed In An Epitaxial Layer

Art Unit: 2814
Examiner: Anh D. Mai
Confirm. No.: 9504
Docket No.: GS 159 D1

Via Facsimile 571-273-2885
Office of Patent Publications
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

COMMENTS ON EXAMINER'S STATEMENT OF REASONS FOR ALLOWANCE

Sir:

In response to the Notice of Allowance mailed March 9, 2006, and the Examiner's Statement of Reasons for Allowance made therein, please enter the following remarks:

Certificate of Facsimile Transmission
I hereby certify that this document and any document referenced herein is being sent to the United States Patent and Trademark office, Office of Patent Publication, via Facsimile to: 571-273-2885 on 6/9/06.

Marjorie Scariati
(Printed Name of Person Mailing Correspondence)

Marjorie Scariati
(Signature)

Serial No.: 10/770,045

REMARKS

The Examiner's statement of reasons for allowance found on page 3 of the Office Action mailed 9/16/05, and referenced in the Notice of Allowance mailed March 9, 2006, indicate that the prior art of record fails to teach a semiconductor device in the combination of the limitations as claimed where the device must be formed by the specific process including (3) depositing a barrier material along the walls and bottom of the trench, (4) implanting a dopant of a conductivity type opposite to the conductivity type of the epitaxial layer through the barrier material lining at the at least one annular edge and at the trench bottom and into adjacent portions of the epitaxial layer to respectively form at least one annular doped region and another doped region, (5) diffusing the dopant in the at least one annular doped region and another doped region to cause the at least one annular doped region to overlap one another, whereby a continuous doped column is formed in the epitaxial layer.

Applicant respectfully submits that patentability is not limited solely to the elements of the claims partially set out in the reasons for allowance, but rather it is the exact wording of each of the pending claims in their *entirety* that constitutes the sole basis for allowance over the art of record.

CONCLUSION

Applicant submits that Claims 27-29 remain in condition for allowance. Should the examiner be of the view that an interview would expedite consideration of the comments above or of the application at large, request is made that the Examiner telephone the Applicant's attorney at (908) 518-7700 in order that any outstanding issues be resolved.

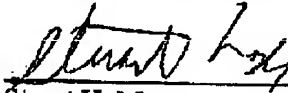
FEES

These comments are being submitted simultaneously with the payment of the Issue Fee, and credit card form PTO-2038 is enclosed herewith, authorizing the Examiner to charge the Issue Fee, Publication Fee and patent copy fees to the undersigned attorney's credit card. Any deficiencies in the Issue Fee payment as well as any fees due and owing in respect of these

Serial No.: 10/770,045

Comments on Statement of Reasons for Allowance may be charged to the undersigned attorney
PTO deposit account number 50-1047.

Respectfully submitted,



Stuart H. Mayer
Registration No. 35,277

Attorney for Applicant
Mayer & Williams PC
251 North Avenue West, 2nd Floor
Westfield NJ 07090
(908) 518-7700
(908) 518-7795 fax

BEST AVAILABLE COPY